



International Association of Aquatic and Marine  
Science Libraries and Information Centers

# newsletter

Number Forty-five  
December 1992

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RESEARCH LIBRARIAN

DEC 14 1992

## FROM THE PRESIDENT . . . .

Takk fyrir sidast!!

This is an Icelandic expression used when people, who have gathered at a meeting, party or just met, meet again and want to express gratitude or thanks for a good time. That is what I want to do now; thank all of you who attended the first IAMSlic conference in Europe for attending and especially those who gave papers and moderated sessions. Michael Gomez did an excellent job arranging this conference and he even managed to arrange for some sunshine on the day of the field trip in what was otherwise a rainy week. This trip was a cool one for most of us, but memorable for many reasons, the very fine cakes, a bit of beautiful weather and last, but not least, the excellent dinner in Cuxhaven.

We also got two new honorary members, Allen Varley and Eric Marshall. Both of them have now retired and both of them have been long time, valued members of IAMSlic. Allen was also one of those who founded EURASLIC and hosted the first EURASLIC meeting in 1988.

The 1992 conference was the most international ever held by IAMSlic, as 76 people from 26 countries attended. We saw many new attendees as well as many members of the "old guard". Europe was well represented at this conference as was expected; 16 European countries were represented.

I want to thank the Intergovernmental Oceanographic Committee (IOC) for their continuing support for attendees from developing countries. I'm sure that they find the meeting a valuable experience and it provides all of us a more diverse group with which to interact.

We are seeing the dawn of more regional groups. PIMRIS is hosting the South Pacific Regional Group and we also have a West African Regional Group. We welcome these two groups and hope they will gather more members of IAMSlic from their regions.

Discussion on the ASFA issues resulted in the IAMSlic statement of ASFA which is published elsewhere in this newsletter. The FAO intention to terminate its contract with Cambridge Scientific Abstracts is a serious matter for all those who depend on this invaluable tool for information. All IAMSlic members are encouraged to contact the ASFIS coordinating agencies - FAO, IOC, UNEP and UN/DOALOS - as well as the national representatives to these agencies concerning the importance of ASFA.

The topic of CDS/ISIS software from UNESCO was well covered at the conference. David Moulder of the Plymouth Marine Laboratory Library planned a workshop on CDS/ISIS and I want to thank him very much for the excellent job he did. We also had a very international session on CDS/ISIS with participants from Africa, The Pacific, Europe and the USA.

We now have mailing lists and bulletin boards running on the Internet as well as Omnet and all messages posted on one network will also be posted on the other. This will enhance all communications not only among IAMSlic executive board members, but among the entire membership, as well as other interested parties in related fields. Many of us have experienced a great response when we post a

(continued on page two)

Communications to IAMSlic should be directed to:

Kristen L. Metzger

Harbor Branch Oceanographic Institution

5600 U.S. 1 North

Ft. Pierce, Florida 34946 USA

# iamslic

(FROM THE PRESIDENT ... continued from page one)

request for help on the bulletin boards - we receive many answers or offers of help. This is the wonderful thing about computer technology. It enables us to send the same message to many people, receive an answer from many people, not to mention being able to assist many people within a short period of time. Technology has also made it possible for people scattered all over the globe to "meet" electronically and run an association like IAMSLIC, as it takes only minutes for a message to travel from the US to Iceland.

Thanks to Steve Watkins and Joe Wible we now have the ability to access a union list of 19000 aquatic sciences periodicals on the Internet. I am sure once people realize the existence of the list, it will be heavily used.

As we prepare ourselves for the coming year of hard work in a changing world, I look forward to meeting you again next year in Washington and I wish the planning committees good luck with the arrangements and all of you happy holidays.

Eirikur T. Einarsson ○

## BACK ISSUES OF IAMSLIC PROCEEDINGS

IAMSLIC Proceedings are available from Janet Webster, keeper of the proceedings. She has numbers 13-17. Members price is US\$ 15 plus minimal shipping. Checks should be payable to IAMSLIC.

Send inquiries to:

Janet Webster  
Hatfield Marine Science Center  
Newport, OR 97367 USA ○

The IAMSLIC newsletter is published quarterly; in March, June, September and December.

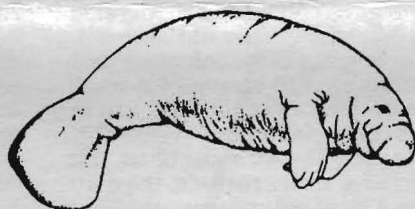
IAMSLIC assumes no responsibility for the statements and opinions advanced by contributions to IAMSLIC publications. Editorial views do not necessarily represent the official position of the association.

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pbrueggeman@ucsd.edu



## HAVE YOU RENEWED YOUR IAMSLIC MEMBERSHIP?

If you found a renewal notice in this issue of your IAMSLIC Newsletter, it means your membership expired on October 1st, and this is the last copy of the IAMSLIC Newsletter you will receive until your renewal check has been received.

To renew, update the information provided on the renewal form and mail it along with your check immediately. The check should be made out to IAMSLIC. Regular Membership is \$35. Sustaining Membership includes \$20 for twinning with a library from a developing country. If you choose to become a Sustaining Member, you may select a library with whom you wish to twin. Connie Cooke can provide the details. If you are from a developing country, you may choose to join at a reduced rate of \$20. All checks received by 11/24/92 have been processed. If you received a second notice, but believe it was in error, please contact Joe Wible at:

Joe Wible  
Falconer Biology Library  
Stanford University  
Stanford, CA 94305-5020 USA  
(415) 723-1110  
FAX (415) 725-7712  
wible@krypton.stanford.edu ○

## EURASLIC BUSINESS MEETING

Many people from Europe attended the recent IAMSLIC Meeting in Bremerhaven, and this led to a well-attended EURASLIC Business Meeting. Over 30 had fruitful discussions on the present and future actions. It was reported that EURASLIC would be registered in Paris shortly; it was agreed that the next meeting would be held in Gdynia in Poland in April 1994; the first steps were taken to prepare a new EURASLIC Directory by the time of the next meeting; and it was reported that already 30-40 people had become formal members of EURASLIC. After some initial difficulties a complete Executive Board was appointed, and the final list of officers is:

David Moulder, President (Plymouth, UK)  
Henryk Ganowiak, Vice-President (Gdynia, Poland)  
Brit Skotheim, Secretary (Bergen, Norway)  
Marie-Therese Panouse, Treasurer (Banyuls-sur-Mer, France)  
Nicole Momzikoff, Representative (Paris, France)  
Ian Pettman, Representative (Win-dermere, UK)  
John Burne, EURASLIC Newsletter Editor (Malmo, Sweden)

It was unanimously agreed that Allen Varley, who had initiated the discussions which led to the establishment of EURASLIC, would be elected an Honorary Life Member. ○



**POSITION OPEN**  
**MARINE SCIENCE LIBRARIAN**  
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Louisiana Universities Marine Consortium (LUMCON) Library is part of the Louisiana Universities Marine Center in Cocodrie, Louisiana, 80 miles SW of New Orleans. The Library includes 165 current journals and 3500 monographs. Primary duties include serials management, cataloging, reference, acquisitions, on-line searching, and supervision of one assistant. Candidates must have experience with OCLC cataloging and ILL subsystems.

Qualifications include an MLS from an ALA accredited school. A background in science or science libraries is desirable. Salary commensurate with qualifications and experience. Send resume and names, addresses and telephone numbers of three references to the address below. Applications will be reviewed after December 30 and the position will remain open until a suitable candidate is selected.

Librarian Search Committee  
**LUMCON**

Chauvin LA 70344 USA  
 (504) 851-2800

Affirmative Action/Equal Opportunity Employer ○

## 1992/1993 IAMSLIC OFFICERS

### PRESIDENT

Eirikur T. Einarsson, Librarian  
 Hafrannsóknastofnunin  
 Marine Research Institute  
 P.O. Box 1390  
 121 Reykjavik  
 ICELAND  
 (354)-1-20240  
 Omnet/Sciencenet: MRI.ICELAND.LIBRARY

### PRESIDENT-ELECT (Conference Convenor for IAMSLIC '93 - Washington, D.C. USA)

Elizabeth A. Fuseler  
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 Colorado State University Libraries  
 215 Morgan Library  
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 (303) 491-1876  
 Omnet/Sciencenet: B.FUSELER

### PRESIDENT-ELECT (Conference Convenor for IAMSLIC '94 - Honolulu, Hawaii USA)

Eleanor Uhlinger, Librarian  
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 University of California at Davis  
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### SECRETARY

Natalie Wiest, Library Director  
 Jack K. Williams Library  
 Texas A & M University at Galveston  
 P.O. Box 1675  
 Galveston TX 77553-1675 USA  
 (409) 740-4566  
 Omnet/Sciencenet: TAG.LIBRARY

### TREASURER

Stephanie C. Haas, Librarian  
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 University of Florida  
 Gainesville FL 32611-2020 USA  
 (904) 392-2840  
 Bitnet: stehaas@uffsc.bitnet

## IAMSLIC '93

### 19th Annual Conference

11-15 October 1993

Washington DC / Bethesda MD USA

### Report from the Conference Host

The Conference will be held October 11-15, 1993 at the Hyatt Regency Hotel in Bethesda Maryland. It is located on the Red Line of the the Washington DC Metro subway. Therefore, it provides easy and inexpensive access to downtown Washington DC - museums, monuments, art galleries, Library of Congress, Smithsonian library, National Library of Medicine, Union Station, the Kennedy Center, etc.

The room rate at present is Single \$98.21 and Double \$123.21. This special rate will apply 2 days before and after the official dates of the conference.

Bethesda itself houses some of the best restaurants in the Washington Metro Area (no one will ever know I'm a Marylander!). Also, shopping, movies and other entertainment are all within easy reach of the hotel.

I would suggest that people coming to Washington by air arrive at Washington National or Dulles Airports. One can get on the subway at National airport and get to the hotel by subway. Baltimore Washington Airport is also a possibility if there is a good discount. I will have to get further information on limo service from BWI (Baltimore Airport) to Bethesda.

If you need more information at this time, contact Janice Beattie at : 301-443-8288. Otherwise look for additional conference information in the March 1993 newsletter.

Janice Beattie ○

## IAMSLIC BUSINESS MEETING NO. 1

8 October 1992

Bremerhaven, Germany

### SITE SELECTION

The Site Selection Committee, chaired by Stephanie Haas, recommended Woods Hole as the site for 1994, the 25th anniversary of the beginnings of IAMSLIC. However, with the 1993 conference being in Washington, D.C. (east coast of the U.S.) and an offer in hand from Dave Coleman of University of Hawaii, the Executive Board opted to name HAWAII as the site of the 1994 IAMSLIC Conference. Please note that the 1995 meeting should be off the North American continent.

### REGIONAL GROUP: CYAMUS

(roughly, east coast of Pacific Ocean  
in N. America)

Report by Janet Webster

There are now 50 members, Pam Moffeld is the new president for 1992-93. Next meeting will be at Oregon Institute for Marine Biology, hosted by Barbara Butler. Their Union List of Serials is available online on Internet. Work done by Joe Wible and Steve Watkins, who would be glad to send you a how-to sheet.

### REGIONAL GROUP: EURASLIC

Report by David Moulder

They now have 30-40 members and their own bylaws. They are compiling a Directory using CDS/ISIS. Next meeting will be in Gdynia, Poland.

### REGIONAL GROUP: SAIL

(roughly Southern Atlantic region,  
including Caribbean)

Report by Linda Pikula

42 members, retain an informal structure to exchange ideas, share problems and goals. Next meeting is in Sarasota, Florida in spring of 1993.

### REGIONAL GROUP: WEST AFRICA

Report by Florent Diouf

There are now 13 members from 7 countries. Working on their directory of scientists. Libraries have many technical and staff difficulties. RE-COSCIX is coordinator of activities.

### AD-HOC INTERNET- WORKING COMMIT- TEE REPORT

by Eleanor Uhlinger

The charge of this committee was to have IAMSLIC bulletin boards available on both Omnet and Internet, and to make sure messages were crossposted. Michael Gomez will complete the last part of this linkage by being the "Telecommunications Secretary" for IAMSLIC by downloading from the Internet and crossposting to Omnet. This committee therefore is dissolved.

The downloaded bulletin board of Internet messages posted to Omnet is at INTERNET.NET.

### PLANNING AND DE- VELOPMENT COMMIT- TEE REPORT

by Janet Powers

Two new charges have come to this committee from the Executive Board:

- 1. To create a mission statement.
- 2. To create a Long Range Plan and Objectives.

### CONFERENCE REPORT

(given by Janice Beattie of U.S. National Oceanic and Atmospheric Administration (NOAA))

The NOAA Library is the conference host for 1993. She described the setting for the 1993 conference in the Washington, D.C. suburb of Bethesda, Maryland.

### COMMITTEE ON IN- TERNATIONAL COOP- ERATION REPORT

by Peter Pissierssens

This committee also incorporates GEMIM and has quite a plate full of important initiatives and responsibilities.

- 1. Standard Bibliographic Structure. Developed by IDRC. Peter Pissierssens will give a full report in the newsletter.
- 2. Standard Record Structure. Application is putting together directories, IOC, EURASLIC, and IAMSLIC to follow.
- 3. Information Dissemination.
- 4. Twinning. The Committee would like to encourage as much twinning as possible and also help in setting up mailboxes for electronic mail.
- 5. Training. P. Pissierssens to be the coordinator so that Internet accesspoints can be distributed for developing countries. He will also coordinate training for marine science librarians in developing countries - he encourages IAMSLIC members to be involved in this. You should be hearing more in future IAMSLIC newsletters.

### ASFA/ASFIS WORKING GROUP

An ad-hoc committee of Jay Maclean, Audrey Conroy, Janice Beattie, and Peter Pissierssens (observer) worked on putting an IAMSLIC position letter together in response to the FAO's Statement to the ASFA Board Meeting. FAO intends to give notice to Cambridge Scientific Abstracts to terminate its contract to produce Aquatic Sciences and Fisheries Abstracts by December 1994. In the intervening time FAO will consult and cooperate with the ASFA co-sponsors and national partners to find mutually acceptable future arrangements for ASFA. See the text of the FAO letter and the statements from IAMSLIC later in this newsletter. O



## IAMSLIC BUSINESS MEETING NO. 2

9 October 1992

Bremerhaven, Germany

### ELECTION RESULTS:

- President-elect, 1994-95: Eleanor Uhlinger
- Treasurer, 1992-94: Stephanie Haas

Much of the business of the meeting concerned the proposed IAMSLIC statement of ASFA.

### UNDER NEW BUSINESS:

- 1. Published IAMSLIC Proceedings are now housed at the Hatfield Marine Science Center (Oregon, USA). Proceedings are available for \$15 each.
- 2. Twinning. The Executive Board was charged with setting up a procedure so all twinning addresses get to Joe Wible so he can correct the mailing list for IAMSLIC.
- 3. Permanent address for IAMSLIC. The permanent address is in care of Harbor Branch Oceanographic Institution, Florida, USA even though IAMSLIC is formally incorporated in the state of Oregon.
- 4. Citizenship for Treasurer. This point came up for clarification. In order to be nominated for the job of Treasurer, the nominee does not have to be a citizen of the U.S.
- 5. Interlibrary Loan coupons. Are such coupons available for purchase by foreign libraries so that they can borrow from U.S.

institutions? Tom Moritz will check on this and report back in the newsletter.

### NOTES FOR THE EXECUTIVE BOARD MEETING FOLLOWING THE CONFERENCE:

#### SITE SELECTION

The next Site Selection Committee will be asked to recommend sites for two years, 1995 and 1996. This will be done so that when the Nominating Committee asks people to run for office, they will know what potential requirements there will be for travel to do their jobs. The committee nominated is: Dennis Abbott, chair; Ingrid Renckhoff, Audrey Conroy.

#### PUBLICATIONS COMMITTEE

A new editor is needed to produce the IAMSLIC Proceedings. Beth Fuseler is the current editor. There was also a question about the completeness of indexing of the proceedings, are all years indexed and where?

#### NGO STATUS FOR IAMSLIC

Peter Pissierssens is checking on this.

#### TWINNING

IAMSLIC wishes to encourage twinning. The Board is in favor of establishing a new Sustaining fee that

could have a built-in provision for twinning. Discussed with this issue was the cost of producing and mailing the newsletter, and how could IAMSLIC make sure all its membership received a subscription.

#### COSTING A CONFERENCE

The board discussed the budget issues involved with putting on a conference, invited guests, and for whom fees might be waived. A Local Arrangements committee was set up of: Pam Mofjeld, Michael Gomez, Stephanie Haas, Eleanor Uhlinger, and Natalie Wiest to set up a guidelines document for conference hosts, specifically for setting up.

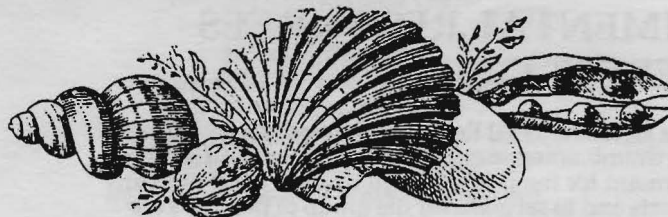
#### ROUTING OF MEMBERSHIP PAYMENTS

The Executive Board established the following routing for new memberships and for membership renewals: received by Kristen Metzger at the general IAMSLIC mailing address. Sent from Kristen to Joe Wible who maintains the mailing lists; then to the Treasurer. This routing applies also to twinning.

Tom Moritz will be setting up a planning meeting for the Planning and Development Committee.

The Board voted in favor of funding Pauline Simpson to attend the IODE (GEMIM) meeting as a representative of IAMSLIC.

Above summary report provided by Natalie Wiest, IAMSLIC Secretary.



## PROCEEDINGS OF IAMSLIC '92

Papers presented at the IAMSLIC meeting in Bremerhaven, Germany were due to the proceedings editor by November 19th (needless to say, a number of you didn't make it). Please get these papers immediately to:

Beth Fuseler  
Head, Science & Technology  
215 Morgan Library  
Colorado State University  
Fort Collins CO 80523 USA

Those not attending the meeting in Bremerhaven who are interested in copies of the proceedings, please contact Beth by 1 January 1993, so that she will know how many copies to print. ○

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## FREE NEWSLETTER ON WHITING

Windows on Pacific Whiting is a new newsletter reporting on the status of onshore processing of whiting. Topics include resource availability, management process, harvesting/processing technology and marketing news. It is produced by Oregon Coastal Zone Management Association and Oregon State University.

To get on the mailing list for this free newsletter, write:

Windows on Pacific Whiting  
P.O.Box 1033  
Newport OR 97365 USA ○

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## INTERNATIONAL INSTITUTE OF FISHERIES ECONOMICS AND TRADE

The International Institute of Fisheries Economics and Trade promotes discussion of international seafood trade and fisheries policy questions. Its semi-annual newsletter announces and reviews international conferences and publications on those topics. It provides a useful way to keep track of international trends and events.

For more information, write:

International Institute of Fisheries Economics and Trade  
Agricultural and Resource Economics  
Ballard Extension Hall 213  
Oregon State University  
Corvallis OR 97331-3601 USA

US\$ 30/individual  
US\$ 200/institution ○

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## ENVIRONMENTAL RESOURCES INTEREST GROUP

If you are interested in the Environmental Resources Interest Group please contact Barbara Butler (bbutler@oimb.uoregon.edu) OIMB, Charleston, Oregon 97420. The group has been dormant for the past year and this is a good time to invite new members to participate and to set goals for the group to pursue. Your comments and suggestions are welcomed. ○

## LEUCKART TEACHING CHARTS FREE TO ASFA/OCEANIC SUBSCRIBERS

From 1877 to 1892, Rudolf Leuckart, famed as both zoologist and parasitologist, labored to produce his incomparable wall charts illustrating the diversity of marine and aquatic taxa. As a result of his studies, he divided Cuvier's Radiata into two new groups which he named the Coelenterata and Echinodermata. Leuckart's classification of the Metazoa remains a model to this day. These detailed anatomical works, which have been used worldwide as teaching aids for a century, are now offered as a set of 116 color slides, by a special arrangement between Woods Hole Marine Biology Laboratory and CSA.

The Leuckart Collection can be yours at no charge: - if you carry a standing order for ASFA series or Oceanic Abstracts - if you add any new Cambridge Scientific title to your existing ASFA subscription

Current ASFA subscribers who do not meet these requirements can obtain the set for \$750 - less than half the current value.

To obtain your limited edition collection, please contact:

CSA Marketing Department  
7200 Wisconsin Avenue  
Bethesda MD 20814-4823 USA  
Phone (800) 843-7751 (US and Canada)  
(301) 961-6750 (other areas)  
Fax (301) 961-6720



## NORTH AMERICAN NATURAL RESOURCE LIBRARIANS

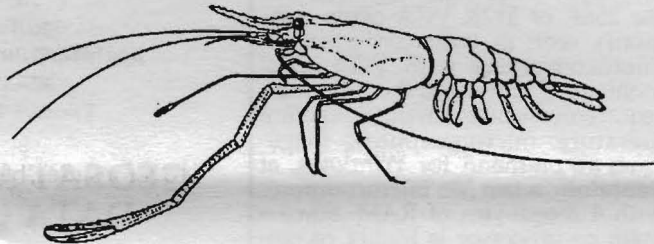
The North American Natural Resource Librarians held their second annual conference in Steamboat Springs, Colorado U.S.A. in September. The organization's purpose is "to provide a forum for exchanging information applicable to the study, research and management of wildlife and other living resources." As fisheries could be considered among other living resources, IAMSlic members in North America might be interested in this new organization. For more information write:

Jackie Boss  
Research Center Library  
Colorado Division of Wildlife  
317 W. Prospect  
Fort Collins CO 80526-2097 USA

Tel: 303-484-2836 x370  
Fax: 303-490-2621.

IAMSlic members Ann Roseberry and Stephanie Hass are active in this organization and can also be contacted for more information. ○

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## CYAMUS

The CYAMUS Regional Group of IAMSlic will be meeting March 19-21 at the Oregon Institute of Marine Biology in Charleston, Oregon. CYAMUS members have been provided details via mail, but all IAMSlic members are welcome to attend. For details, contact:

Barbara Butler  
OIMB  
Charleston OR 97420 USA  
(bbutler@oimb.uoregon.edu) ○

## CORRECTION TO THE MEMBERSHIP DIRECTORY

Stephanie Haas  
University of Florida  
Marston Science Library  
Gainesville, FL 32611-2020 USA  
(904) 392-2840  
stehaas@uffsc.bitnet

## UNUSUAL OCEANOGRAPHIC STUDY

"Shoe spill in the North Pacific" [Curtis C. Ebbesmeyer and W. James Ingraham Jr, EOS 73(34):361, 365, August 25, 1992] describes an unusual opportunistic study of ocean currents utilizing a spill of 80,000 Nike brand shoes in the north Pacific Ocean. Six months to a year later, thousands of shoes washed ashore in North America from southern Oregon to the Queen Charlotte Islands. Drift bottles released in three previous major

oceanographic programs numbered 33,869, 21,615, and 148,384; the instantaneous release of 80,000 floating shoes is comparatively large. Reports of the shoes from beachcombers were used to obtain the inferred shoe drift and compared with an oceanographic hindcast model and historical drift bottle returns. The shoe spill provided an opportunity to calibrate the model. ○

## NEW IAMSlic DUPLICATE EX- CHANGE MEMBER

Please add this address to your list for exchange of duplicates:

Fisheries Research Institute Library  
CPO Box 21  
NSW 2230 AUSTRALIA ○

## WORLD CLIMATE DISC

The World Climate Disc (WCD) CD-ROM provides access to meteorological data through Windows-based retrieval and presentation software. The data on WCD CD-ROM was compiled by the Climatic Research Unit at the University of East Anglia. WCD CD-ROM is intended for study of long-term climatic data collected globally. WCD datasets are (1) monthly mean surface air temperature data for over 3100 stations from 1854 to 1990; (2) 5 degree by 5 degree gridded monthly mean temperatures from 1854 to 1990; (3) monthly total precipitation data for over 7300 stations from the early 18th century to 1990; (4) 5 degree by 10 degree gridded mean sea-level pressure data for the northern hemisphere from 1873 to 1990; (5) 5 degree by 5 degree gridded mean height data for the whole world.

Data can be accessed for one or many stations, for all stations within a pre-defined area or from stations fulfilling certain criteria, e.g. all those above 100m altitude. Tables can be produced for any of the variables for any area of the world. Users can obtain either absolute or anomaly data for their tables. Timeframe reference periods and intervals can be defined. Data can be displayed spatially in the form of gridded or contoured thematic maps; the basemap showing coastlines and political boundaries can be turned on or off. Different longitude and latitude divisions can be specified. Various map projections can be selected and any area of the world can be the origin of these projections (center of the map). Maps can be zoomed in for more detail. Data can be represented as histograms, line graphs, scatter diagrams and pie charts. The Windows software enables users to display multiple maps, graphs and tables onscreen at the same time. Users can cut and paste tables, maps and graphs into other

Windows application software, e.g. word processing software. Data can be exported to floppy or hard disk.

A Windows-capable microcomputer is required along with Windows software, a mouse, color monitor, hard disk, CD-ROM player; the marketing literature notes the minimum requirements. A math co-processor is recommended along with extra RAM and a SuperVGA 1024X768 resolution monitor. This resolution of VGA requires a one megabyte VGA color card and not the 256K or 512K VGA cards commonly seen in basic-configuration microcomputers with VGA color monitors. Contrary to the minimum requirements noted in the marketing literature, microcomputing magazines recommend for Windows, at minimum, a fast 386 microcomputer with 4 megabytes of RAM. Since a math co-processor is highly recommended for speed, a 486 microcomputer with its built-in math coprocessing would be a suitable microcomputer for WCD CD-ROM.

WCD CD-ROM costs 595 pounds or US\$ 995; network licensing is available.

### Contact:

Chadwyck-Healey Ltd  
Cambridge Place  
Cambridge CB2 1NR  
United Kingdom  
Telephone 0223-311479  
Fax 0223-66440

### In North America, contact:

Chadwyck-Healey Inc  
1101 King St.  
Alexandria VA 22314 USA  
Telephone 800-752-0515  
Fax 703-683-7589 ○

## MARINE MINERALS BIBLIOGRAPHY ON CD-ROM

The NOAA-MMS Marine Minerals CD-ROM contains the entire National Geophysical Data Center's (NGDC) Marine Minerals Bibliography and Geochemical Database and several data files relating to marine minerals compiled by other organizations. The NGDC Marine Minerals Bibliography includes references to marine deposits of ferromanganese nodules and crusts, placers, heavy minerals, phosphorites, and polymetallic sulfides. The Bibliography was compiled from 1983 through 1991 and is a closed file containing 17,651 indexed citations. To order, contact:

National Geophysical Data Center  
E/GC3  
325 Broadway  
Boulder, Colorado 80303 USA  
303-497-6338  
Fax: 303-497-6513 ○

## GEOSAT ALTIMETER DATA CD-ROM

Geophysical data records (GDRs) from the Geosat Altimeter Exact Repeat Mission (November 1986 to December 1989) are available as a complete set or individually; six discs split up the timespan. These T2 GDR CD-ROMs (so-called because the orbits are based on the GEM-T2 gravity model) incorporate a more precise satellite ephemeris, a more accurate geoid model, ocean tide model modifications, and other new fields significantly increasing the overall accuracy of the Geosat data. T2 GDR datafiles on CD-ROM are in the same binary Hewlett Packard format as the original Geosat GDRs. Each disc contains software to convert the data to binary VAX format. The CD-ROM files can be manipulated using DOS commands, transferred over a network to a host computer, or accessed directly on CD-ROM. The set of six CD-ROMs costs US\$ 86 (US\$ 11 per disc plus US\$ 20 handling charge) and are available from:

National Oceanographic Data Ctr.  
User Services Branch  
NOAA/NESDIS E/OC21  
Washington DC 20235 USA  
(202) 606-4549  
Fax: (202) 606-4586 ○



## **CD-ROMS FROM THE U.S. NATIONAL CLIMATIC DATA CENTER**

### **CURRENT PRODUCTS:**

#### **INTERNATIONAL STATION METEOROLOGICAL CLIMATE SUMMARY (ISMCS) Version 2.0.**

This CD-ROM released in August 1992 gives detailed climatological summaries for about 980 locations worldwide. These locations include US National Weather Service locations, domestic and overseas Navy and Air Force sites, and selected foreign stations. Limited summaries are also given for almost an additional 5,000 worldwide sites. Tabular or statistical data can be exported to a printer or spreadsheet. Version 2.0 has limited mouse capability. Version 3.0 will be available in early 1993 and will include an additional 600 global stations.

#### **NATIONAL CLIMATE INFORMATION DISC - VOLUME 1**

This CD-ROM has monthly sequential temperature, precipitation and drought data for the 344 climate divisions in the contiguous US. The data can be viewed in a tabular or graphical format and output sent to a printer. The disc covers the period 1895-1989 and contains 1032 time-series graphs, 4180 maps, and 5400 frames of video animation.

#### **U.S. NAVY MARINE CLIMATIC ATLAS OF THE WORLD**

(covered in IAMSlic Newsletter #43, p7).

### **FUTURE PRODUCTS:**

#### **WORLDWIDE DAILY DATA**

This CD-ROM will be available by early 1993 with daily precipitation and daily maximum and minimum temperatures for approximately 10,000 worldwide locations for the period 1977-1991. The disc will also include derived freeze/frost statistics and precipitation probabilities. Upper Air Atlas - This CD-ROM will be developed by late 1992 using a 12-year (1980-1991) 2.5 degree upper air database obtained from the European Centre for Medium Range Weather Forecasting (ECMWF). This CD-ROM will present upper air statistics for 15 different vertical levels in the Northern and Southern Hemisphere for dry bulb and dewpoint temperature, air density and wind speed. The disc will provide access/display software for gridpoint data and contouring capability for user-defined areas. The climatology will cover the 12 year period as well as individual year-months.

Other CD-ROM projects involve SSMI Satellite Data, Historical Climatological Network data, Joint Canadian - U.S. 1961-1990 Climatic Normals, Global Tropical and Extra-tropical Storm Tracks, ERL Upper Air Data, Spectral Ocean Wave Model Data and Ice Data Climatology.

The National Renewable Energy Laboratory (NREL), in cooperation with NCDC, has developed a new 1961-1990 Solar Radiation Data Base for the United States. The database uses NCDC's hourly surface meteorological data and adds measured and modeled hourly solar radiation data. Improved computer models will fill in gaps and/or missing data to update this data base. The data are currently available in an element or synoptic format on tape or diskette. NCDC can provide subsets of custom-derived products on request. The data base will also be available on Exabyte tape or CD-ROM disks.

#### **Ordering Information:**

The NCDC Climate Services Branch is the group responsible for distribution of NCDC CD-ROM products to users. They can be contacted via the following phone number, INTERNET, electronic mailbox or fax. Each available CD-ROM is US\$50.00 with an US\$11.00 handling charge per order. You can order by phone or fax with a credit card (see numbers below). To order by mail, prepayment required by check or credit card.

**National Climatic Data Center  
Federal Building  
37 Battery Park Ave.  
Asheville, NC 28801-2696, USA  
(704) 259-0682  
FAX (704) 259-0876  
OMNET MAILBOX: NCDC.SERVICE  
INTERNET ACCESS: tross@ncdc.noaa.gov  
nlott@ncdc.noaa.gov**

## MULTIUSER ACCESS TO CD-ROMS

Judy Koren wrote two useful and extensive overviews entitled "Multiuser access to CD-ROM drives without a CD-ROM LAN, Part I" [CD-ROM PROFESSIONAL 5(4):59-66, July 1992] and "Providing access to CD-ROM databases in a campus setting, Part II: Networking CD-ROMs via a LAN" [CD-ROM PROFESSIONAL 5(5):83-94, September 1992].

Part 1 looks at alternative ways of providing multiuser access to CD-ROMs mounted on a single workstation including network solutions. Part 2 examines CD-ROM LANs. These articles are worth reading for those considering institution-wide remote access to CD-ROMs. ○

## IMDISP SOFTWARE

Several non-bibliographic CD-ROMs in the earth sciences (e.g. CZCS, SSMI and SMMR polar ice) are used in conjunction with a public-domain image display and manipulation software called IMDISP.

For background information on IMDISP, see Ron Baalke's article "Exploring the solar system with IMDISP" in CD-ROM PROFESSIONAL 5(4):41-45, July 1992. ○

## SMITHSONIAN ON DISC

Smithsonian on Disc: Catalog of the Smithsonian Institution Libraries on CD-ROM is available for US\$995 (export \$1095). This CD-ROM provides 425,000 records from the catalogs of the Smithsonian Institution libraries as well as the catalogs of selected affiliates. A free demonstration diskette is available; call (800)343-2806 extension 205 for more information. Order from:

Macmillan Distribution Center  
Attn: Order Dept  
100 Front Street  
Box 500  
Riverside NJ 08075-7500 USA  
(800)257-5755 ○

## NOAA EARTH SYSTEMS DATA DIRECTORY

The NOAA Earth Systems Data Directory (NESDD) is an Internet-accessible information resource for identification, location, and overview descriptions of oceanography and earth science datasets. NESDD is produced by the Environmental Information Services office of NOAA/NESDIS; currently over 1,000 datasets are described. NESDD is one of the directories in the Global Change Master Directory System. This national and international system of dataset directories uses a common Directory Interchange Format (DIF) for the exchange of dataset descriptions between directories. NESDD provides direct links to these other data systems so that dataset information from many directories is accessible on NESDD. The NESDD main menu provides access to general data set information and supplementary information. The supplementary information describes data centers or systems, projects or campaigns, sensors and sources applicable to the data sets described in NESDD.

Datasets can be retrieved by discipline, parameter, location, time coverage, geographic coverage, data source, sensor name, campaign/project, investigator, and data center. For example, a search of the discipline/subdiscipline "earth sciences-ocean" retrieves 553 directory entries for datasets. The first few datasets are as follows:

- 1. SEASAT Synthetic Aperture Radar Slant Range Imagery
- 2. Sea Surface Temperature (SST) data from NOAA Series AVHRR - 7-8 Day Observation File
- 3. Sea Surface Temperature (SST) 250 Km Monthly Mean Data from NOAA Series AVHRR
- 4. Sea Surface Temperature 50 Km (Regional Scale) and 500 Km Analysis (Climate Scale) from NOAA Series Radiometer

ters

- 5. Sea Surface Temperature 14 Km Analysis (Local-Scale) from NOAA Series AVHRR Data
- 6. Satellite Sea Surface Temperature Monthly Mean Charts (2.5 Degree Grid)
- 7. Satellite Sea Surface Temperature Local Charts (1 Degree Isotherms at 14 km Resolution)
- 8. Satellite Sea Surface Temperature Global Charts (1 degree Isotherms at 100 km Resolution)
- 9. Satellite Sea Surface Temperature - Regional Charts (1 Degree Isotherms at 50 Km Resolution)
- 10. Thermal Analysis Charts of the Cyclonic Gulf Stream Frontal Zone
- 11. Wave Data from the FNOC Spectral Ocean Wave Model (50 WM)
- 12. Marine Geophysics Underway Data Base

Access NESDD by telnet to `nodc.nodc.noaa.gov` or `140.90.235.10`; at the prompt `USERNAME`, type `NOAADIR`. `VT100` emulation is preferred. Dialup access is available to 202-606-4662 or -4666 at 1200 baud (full duplex, 8 bits, no parity, one stop bit, `VT100` emulation). At the prompt `XT_COMMAND`, type `C NODC`; at the prompt `USERNAME`, type `NOAADIR`. When the dialup session is ended, enter the `BREAK` key and type `D` at the `XT_COMMAND` prompt. Online help is available from all screens in NESDD. A quick reference guide and a user's guide is available from the support office. The quick reference guide may be sent through electronic mail, and the user's guide is available via surface mail. To request these documents, leave an address and request by issuing the `COMMENTS` command from any screen. ○



## MORE ON PSILINK FOR INTERNET ACCESS

PSILink provides dialup access to Internet services including email, FTP, and USENET news for DOS microcomputer users in the US and Canada. PSILink provides value-added access to these Internet features and is worth considering if you are fed up with arcane institutional computing systems and software and lack of user assistance. A recent article by Ernest Perez entitled "PSILink: Internet connection with just a PC and modem" [LIBRARY SOFTWARE REVIEW 11(5):6-11, Sept/Oct 1992], reviewed PSILink thoroughly; figures illustrate using the PSILink software.

Perez writes ".... PSILink delivers sophisticated electronic mail capabilities, with a simple, prompted, menu-driven approach..... You can easily read, write, forward, or reply to mail... The writing mail window opens a simple, full-screen screen. ... PSILink operations are unbelievably simple. The program gets you up to Internet competence speed in a flash, with ab-

solutely no pain. .... I've used the Internet for about three years, on two different university Internet nodes. I've gotten pretty adroit at those arcane network and Unix commands. But, I'm really tempted to give up the university account. PSILink email management and address directory features make it easy for use with even campus email traffic. It may not be long before I switch over to the more expensive, but automated ease of the PSILink service."

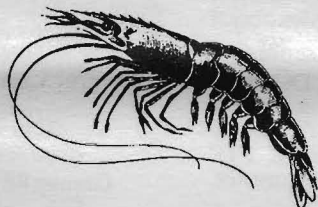
PSILink subscription startup is US\$19. The email-only Lite service costs US\$19 per month for 1200-2400 baud and US\$29 per month for 9600 baud. The higher-level Basic service (including FTP and USENET news up to 50 megabytes per month) costs US\$29 per month for 1200-2400 baud and US\$39 per month for 9600 baud. There are additional charges for receiving more than 50 megabytes per month via FTP or USENET news. There are no additional charges for

dialup access in fifty US cities; there are low-priced dialup charges in 150 other cities. Credit card billing is the only payment method accepted. PSILink service does NOT include TELNET capability. Telnet capability is used to access library computer catalogs like the University of California's Melvyl Catalog, earth science dataset directories like the NOAA Earth System Directory, etc. A separate Telnet service called Global Dialup Service is available at US\$39 per month for 2400 baud.

For PSILink information, contact:

**Performance Systems International**  
165 Jordan Road  
Troy NY 12180 USA  
Phone 800-827-7482  
Fax 703-620-2430

PSILink was covered in IAMSLIC Newsletter #44:10 with additional details on features and pricing.



## A NEW LISTSERV LIST: CDS-ISIS

Now that some initial technical problems have been overcome a new discussion list will be started that is meant for CDS/ISIS users.

### OVERVIEW

Unesco's CDS/ISIS text retrieval program is widely used, especially in developing countries, for bibliographic applications, project administration, etc. The aim of this discussion group is to provide a forum where users can ask questions, announce new developments, applications and co-programs. Contributions can be submitted in French or English. Owners of the list are Chris Addison (NRI, United Kingdom) and Hugo Besemer (PUDOC-DLO, The Netherlands). Messages sent to CDS-ISIS are presently reviewed by the conference moderators to filter out erroneous messages. The list owners do not verify the accuracy of submitted messages nor do they endorse the opinions expressed by the message authors. Authors of CDS-ISIS messages are solely responsible for the content of their messages. All messages to the conference are automatically archived. Users can search the message database for specific information using complex Boolean queries.

To join CDS-ISIS, send the following e-mail message to:

LISTSERV@NIC.SURFNET.NL

SUBSCRIBE CDS-ISIS First Name Last Name

(The list server also has a Bitnet address: LISERSV@HEARN.BITNET) O

## THE BEST INTERNET BOOK!

The Whole Internet, User's Guide & Catalog [Ed Krol, 1992, O'Reilly & Associates, 103 Morris St, Suite A, Sebastopol, California, 95472, ISBN=1-56592-025-2] is aimed at regular computer users needing to get a job done and not experts or computer aficionados. Krol intends the book for anyone who wants access to the Internet's tremendous resources.

If you purchase only one book among the several Internet books mentioned in this IAMSLIC Newsletter, THIS IS THE ONE TO GET. Highly readable, the book covers: Internet overview; how the Internet works; who is allowed access to the Internet and getting connected; how to login remotely (telnet); how to move files (FTP); electronic mail including a simple guide to the UNIX mail program; network newsgroups; finding free software on the Internet (Archie); finding someone on the Internet (finger, whois); locating Internet resources (gopher, World-Wide Web); list of Internet resources; searching Internet archives (WAIS); problem resolution; international network connectivity; and, a glossary. O

## NEW INTERNET LIST FOR MIDDLE EAST WATER

MEH2O-L is an email discussion group for information and research related to water in the Middle East. Possible topics include, but are not limited to: Limnology; Oceanography; Marine Biotechnology; Aquaculture (marine and freshwater); Conservation; Reclamation; Wetlands Development; Ecological Aspects; Shared Resource Management; and, Notice of Upcoming Conferences and Seminars. All those interested are encouraged to join and participate.

To JOIN the group, send the following 1 line e-mail message:

SUB MEH2O-L First Name Last Name

via BITNET to: [LISTSERV@TAUNIVM](mailto:LISTSERV@TAUNIVM)

or via INTERNET to: [LISTSERV@TAUNIVM.TAU.AC.IL](mailto:LISTSERV@TAUNIVM.TAU.AC.IL)

If you have questions concerning the list, direct them to Robert Chasan via BITNET to: [CHASAN@HUJIAGRI](mailto:CHASAN@HUJIAGRI), or via INTERNET TO [HASAN@HUJIAGRI.HUJI.AC.IL](mailto:HASAN@HUJIAGRI.HUJI.AC.IL). MEH2O-L is sponsored by Israel's National Center for Mariculture located in Eilat, Israel. Phone: (972) 737 3154. ○

## SOFTWARE FOR TELNET

For PCs and Macintosh on a network connected to the Internet, Telnet software may be needed to interactively access host computers on the Internet, e.g. the University of California's Melvyl system and catalog at address 31.0.0.11. Phil Huang, in *COMPUTERS IN LIBRARIES* 12(5): 48-50, May 1992, writes about "NCSA Telnet, connecting PCs and Macs to the Internet".

NCSA Telnet software has been in the public domain since 1987; DOS and Macintosh versions are available and a Windows version is upcoming. NCSA Telnet supports interactive access, filesaving, printing, file transfer (FTP), mouse control, and more; Huang describes both DOS and Macintosh versions. FTP instructions are given for retrieving the NCSA Telnet software over the Internet, or for ordering hardcopy. ○

## OPTIONS FOR BIOLOGICAL ABSTRACTS SEARCHING

Amy Paster reviews "Biological Abstracts: a comparison of search options" in *DATABASE* 15(6):74-80, December 1992. Paster notes the differences in searching Biological Abstracts on SilverPlatter CD-ROM, Dialog, OCLC FirstSearch, and OCLC Epic. ○

## PRO-CITE 2.0

Sue Stigleman writes "Pro-Cite 2.0: steady evolution" in *DATABASE* 15(6):68-72, December 1992. Stigleman reviews improvements in the new release of Pro-Cite, the bibliographic database software, and notes that "they add to Pro-Cite's strengths of offering the user a great deal of control over database content and format". ○

## ENDNOTE PLUS FOR DOS REVIEWED

Sue Stigleman reviewed "EndNote Plus: Macintosh bibliography power on a PC" in *DATABASE* 15(5):50-55, October 1992. EndNote Plus maintains a database of bibliographic references and outputs them in specified formats. Stigleman concludes that EndNote Plus "...is not as powerful as Pro-Cite, nor as concerned with data consistency as Reference Manager, but its attractive and flexible interface make it easy to use." ○

## GLOBAL LAND INFORMATION SYSTEM

The Global Land Information System (GLIS) is an interactive computer system developed by the US Geological Survey for accessing datasets about the Earth's land surfaces. GLIS contains "metadata": descriptive information about datasets and their availability. Datasets referenced covered regional, continental, and global land information including land use, land cover, and soils data, cultural and topographic data, and remotely sensed satellite and aircraft data. Through GLIS, datasets can be evaluated including examination of sample data examined. Datasets can be requested after examination. Outlines of geographic areas covered by the datasets can be viewed.

GLIS is accessed over the Internet to [glis.cr.usgs.gov](http://glis.cr.usgs.gov) (152.61.192.54) or by direct dial to 605-594-6888 (modem 8/N/1). A graphic interface is available for the X Window environment on 32-bit UNIX workstations and for IBM-compatible microcomputers using free PCGLIS software. Contact:

GLIS at (800) 252-4547

Omnet: [EROS.DATA.CENTER](mailto:EROS.DATA.CENTER)

Internet:  
[GLIS@GLIS.CR.USGS.GOV](mailto:GLIS@GLIS.CR.USGS.GOV)

U.S. Geological Survey  
EROS Data Center  
GLIS User Assistance  
Sioux Falls SD 57198 USA ○

## SPELLING ERRORS IN LIBRARY DATABASES

Terry Ballard, in *COMPUTERS IN LIBRARIES* 12(6):14-19, June 1992, writes about "Spelling and typographical errors in library databases". Ballard scrolled through the index of 117,000 (!) words in her university library's computer catalog. Her article has a three page table of common English misspellings that can be used to correct library catalog databases, e.g. association, environmental, organization, oceanographic. ○



## **FUTURE OF ASFA (AQUATIC SCIENCES AND FISHERIES ABSTRACTS)**

In June 1991 the FAO issued a statement indicating its intention to terminate its existing contract with Cambridge Scientific Abstracts, the publishers of ASFA.

This is an issue of great concern. At the most recent IAMSILIC conference in Bremerhaven, Germany, the membership endorsed the enclosed statement, to be sent to the ASFIS coordinating agencies of FAO, IOC, UNEP, and UN/DOALOS as well as the national representatives to these agencies.

Additionally, we want to encourage our membership and all other interested parties to be contacting the above named agencies concerning the importance of ASFA.

**Natalie Wiest  
Secretary, IAMSILIC**

## **FAO STATEMENT TO THE ASFA BOARD MEETING**

**June 17 to 21 1991  
Rome, Italy**

FAO, in reviewing its participation in ASFA over the last twenty years, has reached the conclusion that ASFA is now well established and has reached a level that is sustainable.

FAO believes that as the scope of this series has expanded the co-sponsors and national partners could now specialize in the various subject matters concerned.

FAO in particular wishes to concentrate on fisheries and aquaculture where coverage needs to be increased. FAO is also interested in better serving the interests of the organization by providing references in languages other than English and improving the participation of developing countries in the management of bibliographic and other related information, including their access to such information.

FAO, therefore, intends to give notice to Cambridge Scientific Abstracts (CSA) by September 1991 to terminate its existing contract by December 1994, in accordance with the Memorandum of Understanding between CSA and FAO. During this three year period of notice FAO will consult and cooperate with the ASFA co-sponsors and national partners, to find mutually acceptable future arrangements for ASFA.

## **IAMSILIC STATEMENT ON ASFA**

**9 October 1992**

IAMSILIC is the International Association of Aquatic and Marine Science Libraries and Information Centers. IAMSILIC has 238 members in 34 countries. IAMSILIC is a formal non-profit organization and provides continuing education for its members. Its purpose is to promote the cooperation and sharing of resources among libraries and information centers. All types and sizes of libraries and information centers participate, including aquatic research and policy institutions, government agencies, colleges, universities, non-profit and profit-making institutions.

ASFA, the Aquatic Sciences and Fisheries Abstracts, is a bibliographic database, developed by FAO, IOC, UNEP and UN/DOALOS, with assistance from 13 national input centers. It is now being published by Cambridge Scientific Abstracts. The database provides comprehensive multidisciplinary coverage of the literature related to aquatic sciences and fisheries. It allows aquatic scientists to identify scientific publications relevant and essential to the furtherance of their research.

Following FAO's decision to terminate its existing contract with ASFA's publisher by December 1994 and the current uncertainty with regard to the future of ASFA, IAMSILIC wishes to make the following statement:

ASFA, through its 20 years existence, has become THE main reference database for aquatic and fisheries scientists throughout the world, developing and developed countries alike. The need for multi-disciplinary research which was clearly stressed during UNCED is perfectly in line with the expanded coverage now offered by ASFA.

Many institutions and groups have lent active support to ASFA over the years by providing and inputting material for the database, through constructive criticism and advice, by promoting its use, and/or continued subscriptions. Many organizations have abandoned their own initiatives in order to support ASFA and a large number of developing-country libraries use the ASFA classification and indexing system.

IAMSILIC strongly urges the ASFA national partners and co-sponsors, the FAO, IOC, UNEP, and UN/DOALOS to meet and discuss arrangements to secure the future of ASFA.

IAMSILIC recognizes the efforts made by several donors and international organizations in providing the ASFA product to developing countries. Nevertheless IAMSILIC urges the IOC, FAO, UNEP and UN/DOALOS to strengthen efforts to make a comprehensive multidisciplinary database covering aquatic sciences and fisheries, such as ASFA, available to developing countries. IAMSILIC also strongly urges IOC, FAO, UNEP and UN/DOALOS to consider the requirements of developing countries in the contractual arrangements with any commercial or non-commercial partner.

We urge FAO to continue its participation in a comprehensive multidisciplinary database covering the aquatic sciences and fisheries literature such as ASFA. IAMSILIC has urged its members and those of its affiliated Regional Groups to contact their national representatives to FAO, IOC, UNEP, UN/DOALOS and the ASFA Board to express their concern about the future of ASFA. ○

## ASFIS/ASFA: THE ISSUES, THE POSSIBILITIES

The issues surrounding the Aquatic Sciences and Fisheries Information System (ASFIS) and the Aquatic Sciences and Fisheries Abstracts (ASFA) are convoluted, but weighty. While many of you are knowledgeable about the factors involved, I suspect some of you are thinking that the problem may just go away. I think there is a major problem for the marine and aquatic sciences information communities and we'd better act now.

You have probably seen the Food and Agriculture Organization's (FAO) announcement that it will probably not continue to be the lead United Nations agency in the production and distribution of ASFA. This will have ramifications for all of us.

For one thing, when the United States entered into the agreement to contribute to the production of the ASFA database years ago, several of the governmental institutions and some non-governmental ones stopped indexing aquatic and marine publications. The National Agricultural Library (NAL), as I understand it, stopped indexing the aquaculture publications, and agreed that a contractor would perform the indexing, which would be added to the ASFA database. The same steps were taken by the National Oceanic and Atmospheric Administration (NOAA). Furthermore, I believe the American Fisheries Society and the Marine Technology Society took similar steps. With budgets as tight as they are, it would be difficult to reverse these measures. So, many publications currently added to ASFA might not be identified.

There are four United Nations agencies which have co-sponsored ASFA/ASFIS, including the production of ASFA. The lead agency has been the Food and Agriculture Organization. The others, which have participated to one degree or another through the years, are the UN Division for Ocean Affairs and the Law of the Sea, the Intergovernmental Oceanographic Commission (IOC), and UNEP. There have also been significant participation and contributions from at least 11 national partners.

ASFIS/ASFA products represent international cooperation in creating research tools from many nations, many sources and many hands. The products and services have been instrumental in providing research assistance to thousands of individuals across the globe annually.

If the FAO withdraws from the development of ASFA (and ASFIS), several alternatives may occur. One is that another U.N. agency could take the lead. There is some hope that the IOC will take a stronger role, or will agree to support the marine aspects of the database.

Another possibility is that libraries and information centers would have to use another database (such as AGRIS) to assist users. The problem with that is that AGRIS may not be interested in the range of scientific disciplines indexed and abstracted by ASFA. One of the selling points of AGRIS is that it is supported at high levels in many countries and, as I understand it, each country receives a complimentary copy. For large nations and for nations that have their agricultural ministries and libraries separately located from their aquatic centers, I suspect access to AGRIS will be difficult unless nations can afford to buy additional copies of the CD-ROM.

The most drastic possibility: there ceases to be a comprehensive multidisciplinary marine and aquatic database.

I'm sure that many of you can envision other scenarios that might result from a diminution of the ASFIS/ASFA system, as we know it. The important thing, in our perspective, is that individuals and nations respond through whatever channels they have open to them to push for continued coverage of the broad range of disciplines needed by the marine and aquatic communities. If you can urge a representative to one of the international organizations to support ASFIS/ASFA, all the better. If you can ask scientists or researchers with clout to contact your laboratory or institution, please do so. If anyone needs the names and addresses of ASFA Advisory Board members or members of the IOC's Group of Experts on Marine Information Management, please contact a representative of those groups. If you're not sure who to contact, you're welcome to contact me at the NOAA Central Library, 6009 Executive Boulevard, Rockville, Maryland 20852 USA. We'd be glad to point you in the right direction.

For those of you who have taken the initiative to fight for the ASFIS/ASFA system, hurrah.

Submitted by  
Carol Watts and Janice Beattie  
NOAA Central Library





## AQUATIC INFORMATION RESOURCES: TOOLS OF OUR TRADE

### Abstracts of papers presented at the 18th Annual IAMSILC Conference

#### SESSION 1: PRESENTATIONS FOR THE WORKING GROUP OF MARINE SCIENCE LIBRARIES IN GERMANY.

Short presentations on individual libraries.

**Inka Renckhoff.** The Working Group of Marine Science Libraries in Germany.

**Inka Renckhoff.** The Library of the Biologische Anstalt Helgoland, Hamburg.

**Carola Kauhs.** The Library of the Max-Planck-Institute für Meteorologie, Hamburg.

**Barbara Schmidt.** The Library of GEOMAR, Kiel.

**Annemarie Schroeder.** The Library of the Institut für Ostseeforschung, Warnemünde.

**Anke Roering.** The Library of the Institut für Meereskunde, Kiel.

#### SESSION 2:

**G. Kortum.** Scientists and the Sea, 1650-1950: a Synopsis of the German Contribution to the Development of Oceanography.

1. Introduction: Why history? Critical appraisal of M. Deacon's standard textbook. 2. From Monaco (1966) to San Diego (1993). 4th Congress on the History of Oceanography. 3. The German approach to marine science. 3.1. The early hydrographic books in Europe. 3.2. The classical period: From Kant to Humboldt. 3.3 German naturalists on circumnavigations. 3.4. First highlights: German marine scientists and institutions, 1870-1914. 3.5 Major German expeditions, 1870-1914. 3.6. Kiel for example. 3.7. Oceanography between the wars. 4. New start and success: marine science since 1950.

**Janice Meadows.** Taking the Plunge into Icy Waters: an Introduction to Sea Ice for Marine Librarians.

The library of the Scott Polar Research Institute is fortunate to house the World Data Center C for Glaciology and as a result collects comprehensively on the subject of sea ice. This paper describes the formation, classification and distribution of sea ice, presents a guide to the basic literature, and considers briefly the coverage of sea ice on two CD-ROMs: *Arctic and Antarctic Regions* and *Aquatic Science and Fisheries Abstracts*.

#### SESSION 3: THE INTERNET

**Eleanor Uhlinger.** Getting to the Internet: One Marine Librarian's Solution to Reaching Some of the Tools of Our Trade.

Technology does not always come as rapidly to remote field stations as it does to laboratories located in more urban or industrialized locations. Accessing global computing networks, for example, is a costly and time-consuming proposition from the field station. Until recently, researchers, staff and students working at the University of California (ID), Davis' Bodega Marine Laboratory (BML), located in Bodega Bay, Sonoma County, California, USA, had two means of accessing global computing resources to use mainframe- and super-computers, genome and library databases, the Internet, etc. One option was for an individual to drive 200 miles (322 km) to the main campus and spend a day at the campus computer center. The second option was for an individual to use the 2400 baud modem attached to the BML Library's OPAC to dial long distance to the campus network. Access to the modem was restricted to one user at a time and the OPAC could not be consulted if someone was using the modem. There were numerous difficulties associated with conducting elaborate searches and file transfer procedures via 2400 baud modem. Additionally the Library's phone bills reached \$580 (US) per month and were increasing monthly as more researchers began to take advantage of this service.

The BML librarian sought to increase BML's global inter-connectivity with more cost effective means by "joining" the ID Davis computing network (UCDnet), which is part of larger wide-area networks that make up the Internet. This was accomplished by leasing a 56k-bps digital circuit between Bodega Bay and Davis, that establishes a continuous link to UCDnet 24 hours/day, 365 days/year at a fixed cost of \$671 (US)/month. Hardware and software to transport data are included in this leased circuit, and a 10baseT local area network (LAN) which allows distributed multiple-user access

to the circuit, had to be installed at BML. As a result of this project, BML is now a subnet on UCDnet allowing BML researchers to use campus and global computing resources from their own desktop IBM PC's and Macintosh computers. Additionally, resources on BML computers can now be made available to distant users via the Internet. This paper details the specifics of this project which cost approximately \$23,000 (US).

#### SESSION 4: DATABASES

**Charles A. McFadden.** CDS/ISIS as a Common Tool.

CDS/ISIS is UNESCO's free library automation software. It can be used on a PC or a larger computer (VAX). A PC network version is being tested and a UNIX version is imminent. One of the central failures of library automation systems is inflexibility. By importing and exporting records in the International Standards Organization format, it solves the communications problem. It is estimated that there are 15,000 CDS/ISIS users worldwide. And yet there are very few users in the US. Why don't more US libraries share in this universal brotherhood with its obvious benefits? One of the reasons is CDS/ISIS does not directly import USMARC records.

The paper will detail how to import USMARC records into CDS/ISIS, how the experience can be the gateway to importing any kind of record into the system (ASFA, DIALOG, WordPerfect, dBase) and why this is all part of the CDS/ISIS philosophy.

**Jean Collins.** The Bibliographic Databases of the Food and Agricultural Organization of the United Nations: Tools in the Dissemination of Fisheries Information Resources.

The David Lubin Memorial Library of FAO contains some 1 million items, 80,000 FAO documents and receives 7,000 current periodical titles. In order to disseminate information to the FAO user community at headquarters and in the field and to provide access to the published information of FAO to users in Member Countries, the Library and Documentation Systems Division has developed secondary search tools and specialized products derived from library databases. These products are described in relation to the various categories of users of fisheries information. In response to a growing demand for local databases, the increasing availability of micro-computers and the availability free of charge to economically developing countries of the Micro CDS/ISIS software, FAO has developed the REPDOD package in order to facilitate the distribution of subsets of library databases. In strengthening national and regional documentation services in developing countries, emphasis is placed on the free exchange of information between participating centres and the provision of a mechanism to facilitate this exchange.

**Pamela L. Olson and Gordon Miller.** Ways and WAVES: Bibliographic Control of Canadian Fisheries Literature.

This paper describes the current major bibliographic tools available to researchers of Canadian fisheries literature and compares them with the tools available a decade ago.

**Merrill Manke.** Networking: An Essential Resource for the Small Aquatic Library.

Networking as a resource is not a new concept to libraries, even small special libraries. To ensure responsive library services, librarians must actively seek out (if not create) networks that will enhance their own library resources. Just as each library is a unique resource, the combination of networks chosen and nurtured by its librarian can also be unique. This is an account of the varied networks chosen by the Monterey Bay Aquarium Library and the resulting benefits these associations have brought to the library and its institution.

**Robert Sathrum.** From the *Compleat Angler* to Compact Disk: Fishery Information Tools Through the Ages.

This paper presents a bibliographic history of fisheries literature and the stages of its bibliographic control. The first part of the paper discusses the history and growth of three distinct literatures in fisheries - angling, ichthyology and fisheries science. The second part of the paper examines fisheries information tools represented in the three ages of information management - the age of bibliographies, the age of print indexes and the age of electronic indexes.



## SESSION 5:

**Ganeshan Rao.** Marine Resources Database: A Tool for the Pacific Island States.

Pacific Islands being scattered over 29 million square kilometers of ocean encounter numerous barriers to communication. PIMRIS provides an effective information service in an attempt to overcome these barriers. PIMRIS is a network of South Pacific regional organizations (as regional focal points) and the individual countries (as national focal points). This paper describes the network, its operation and specifically the usage of CDS/ISIS (a bibliographic database management system) to create a regional database. It further discusses the standardization process adapted in view of the minimum training available for persons in using record importation, integration and exchange involved in the sharing of marine information. Since the database is Pacific specific and covers all aspects of marine resources, it is a unique tool in the marine information sector and has a great significance to the Pacific Island countries.

**Jean E. Crampon and Melinda Hayes.** Water, Water Everywhere.

The topic of "aquatic information resources" is viewed from a different perspective. Can there be too many "aquatic resources" in the library? Yes, if the discussion is on the hazards of water on the library collection rather than "aquatic information resources" within the subject scope of the library's collection. This presentation includes personal experience of "water in the library" floor level, flooding, rain, and overacting air-conditioning leaking from above, and broken pipes from within the library or spaces above the library from experience in three different library settings. A checklist includes supplies needed to respond to the emergency, handling of library materials, and preventive measures to minimize possibilities of recurrence. This does not cover extensive disaster planning which requires outside assistance, but focuses on techniques that can be done in-house. Service issues in continuing to provide information to clientele are addressed.

**Carrie A. Holba, Mary McGee and Peg Thompson.** Oil Spill Public Information Center: Its Role in the Flow of Information on the Exxon Valdez Oil Spill.

On March 24, 1989 the supertanker EXXON VALDES struck a submerged rock pinnacle at Bligh Reef, which punctured eight of its storage tanks. Within hours 11 million gallons of crude oil were dumped into the waters of Prince William Sound. The cleanup, damage assessment and restoration activities undertaken for this environmentally complex area presented multi-faceted challenges to organizations, public and private, and various professional disciplines. One of these challenges was to obtain and disseminate pre-spill, spill, and post-spill information to both the private and public sector.

The Oil Spill Public Information Center (OSPIC) was created for this purpose by the Department of Justice on behalf of the Federal Trustees. Its management has since been assumed by the Restoration Team, an arm of the State/Federal Exxon Valdez Oil Spill Trustee Council.

The OSPIC is a public library with a special library focus. Its function is two-pronged: 1) to identify existing information applicable to a spill of this magnitude in a remote, cold water location, consolidate that information and make it accessible in a timely manner; and 2) to collect, organize and make accessible the mountain of information that continues to be generated by state and federal agencies and the private sector as a result of cleanup, damage assessment, and restoration activities.

As a library, the OSPIC serves a variety of patrons, including the oil industry, the oil spill response community, state and federal agencies, the military, scientists, the legal field, business professionals, and teachers and students from kindergarten through graduate school.

This paper focuses on the materials, staff and services available in the OSPIC. It examines the information needs of the individuals and organizations who use the OSPIC, and the wide variety of perspectives from which the oil industry, the oil spill response community, and state and federal agencies can assist in meeting those needs and benefit in the process.

## SESSION 6:

**Pauline Simpson.** GEMIM - Ask Not What it Can Do for You, Ask What You Can Do for It.

**Ann C. Roseburry.** Coordinated Information System (CIS) for the Columbia River Salmon.

**Victoria Welborn.** The Monterey Bay National Marine Sanctuary.

The Monterey Bay has been declared a marine sanctuary by the United States Government. This presentation discusses the history and politics involved in making this California bay and the adjacent marine waters a part of the National Marine Sanctuary Program. The implications for research programs and libraries are addressed.

## **SESSION 7: JOURNALS**

**Elizabeth A. Fuseler.** Providing Access to Journals -- Just in Time or Just in Case.

For the past two years, as a response to declining budgets, the Colorado State University Libraries Science and Technology Department has been providing document delivery from a selected list of journals via a commercial vendor. This service exemplifies the manufacturing concept of "just in time" rather than the traditional library concept of "just in case". The program is described, including planning, implementation and evolution. An evaluation of the program and possible future directions are presented.

**John Burns.** Riding the Rollercoaster: The Joys and Hazards of Setting up a Current Awareness Service.

This paper looks at the problem and success of providing a current awareness service for industry using the service set up by the Marine Laboratory, Aberdeen to the salmon fishing industry as an example. It looks at some of the problems of funding, copyright and how services like this could be developed using document image processing. The establishment of a maritime information service is briefly discussed.

**Joe Wible and Steve Watkins.** Creating a Computer-based Union List of Marine and Aquatic Science Serials.

This presentation describes the implementation of a prototype union list of serials undertaken by the Cymus Region of IAMSILIC. A trial version of the database mounted for access via the Internet was demonstrated. Following the brief presentation, a discussion examined the need for expansion of such a union list; the pros and cons of offering Internet access versus distribution on CD-ROM; and the potential for resource sharing based on such systems.

## **POSTER SESSION:**

**J.R.L. Sears and D.D. Stover.** A Bibliometric Analysis of the Marine Biotechnology Literature - a 90's Assessment.

The First International Marine Biotechnology Conference was held in Tokyo in September of 1989. This conference identified the topical areas in basic science, technology and applications which defined this growing field. It also demonstrated the need to establish a medium for the collation of the ever increasing research being published. The *Aquatic Sciences and Fisheries Abstracts (ASFA) Marine Biotechnology Abstracts* journal was created to provide a compilation of references to the literature addressing the application of molecular biology and genetics to aquatic organisms. Serial publications, patents, books, reports, conference proceedings, and translations are monitored to identify marine biotechnology-related references. This literature, in the form of bibliographic citations with abstracts and index, becomes part of the *ASFA* and *Life Sciences Collection* databases. A bibliometric analysis of these databases, covering the years 1989 to 1991, provides insight into the major research areas of this field and thereby reveals marine biotech's key potential.